

Electrolytic Chromium Product Specifications

Electrolytic Cr Flakes

Grade	Element (ppm)							
	C	S	O	P	Fe	Al	Pb	Cu
A	≤50	≤200	≤5000	≤20	≤100	≤20	≤20	≤40
B	>50	>200	>5000	>20	>100	>20	>20	>40

Degassed Electrolytic Cr Flakes (Cr ≥ 99.99%)

Grade	Element (ppm)									
	C	S	O	N	Si	P	Fe	Al	Pb	Cu
S	≤20	≤2	≤20	≤10	≤20	≤10	≤20	≤10	≤1	≤10
A	≤20	≤20	≤30	≤20	≤20	≤10	≤20	≤10	≤1	≤10
B	≤30	≤30	≤50	≤20	≤50	≤10	≤50	≤10	≤1	≤10
C	>30	>30	>50	>20	>50	>10	>50	>10	>1	>10

Degassed Electrolytic Cr Powders

Particle Size *1	Mesh*2	Element(ppm)						
		Cr	C	S	O	N	Si	Fe
-10 μm	-	≥99.50%	≤500	≤50	≤4500	≤1000	≤30	≤2500
-38 μm	-400 mesh	≥99.90%	≤100	≤50	≤1000	≤200	≤30	≤300
-45 μm	-325 mesh	≥99.95%	≤100	≤50	≤750	≤150	≤30	≤300
-75 μm	-200 mesh	≥99.95%	≤100	≤50	≤400	≤50	≤30	≤200
-150 μm	-100 mesh	≥99.95%	≤50	≤30	≤180	≤50	≤30	≤100
-250 μm	-60 mesh	≥99.95%	≤30	≤30	≤100	≤20	≤20	≤50

*1 Standard Sieves Particle Size (JIS Z 8801-1:2006/ISO3310-1:2000)

-10 μm : Shimadzu Laser Diffraction Particle Size Analyzer SALD-2200

*2 ASTM Standard (E11)

Cr Powders with High Flowability

Particle Size *1	Mesh*2	Flowability *1	Element (%)										H ₂ O(%)
			Cr	C	S	Si	P	Fe	Al	Cu	Ti	Hg	
-180 μm	-80 mesh	≤25 s	≥99.0	≤0.02	≤0.01	≤0.2	≤0.03	≤0.35	≤0.25	≤0.05	≤0.05	≤0.0002	≤0.03

*1 Standard Sieves Particle Size (JIS Z 8801-1:2006/ISO3310-1:2000)

*2 ASTM Standard (E11)

*3 ASTM Standard (B213)